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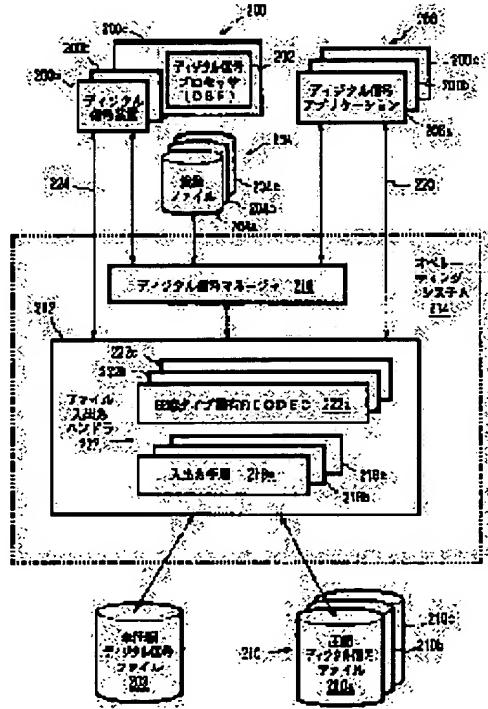| (21)Application number : 07-113286 | (71)Applicant : | INTERNATL BUSINESS MACH CORP <IBM> |
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(54) DIGITAL SIGNAL MANAGER FOR DYNAMICALLY SELECTING COMPRESSION AND DECOMPRESSION OF HARDWARE OR SOFTWARE AND OFFERING COMMON DATA EXCHANGE FORM

(57)Abstract:

PURPOSE: To secure the maximum compatibility between a digital signal applica tion or digital signal device and a file that is processed by the signal application or device by performing the dynamic selection between the hardware and soft ware CODEC(compression and decompression) techniques.

CONSTITUTION: A digital signal manager 216 is placed between a file input/ output handler 212 and a digital signal device 200 or an application program. Then toe manager 216 dynamically selects a hardware or software CODEC technique for transfer of data between the device 200 and a resource file 204 based on the file compression type shown at the file header and on the characteristic of the device 200 that is stored in the file 204 or sensed by a direct inquiry given to a signal 216 or the device 200. In such a constitution, the application of the hardware function is maximized for the device 200.

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